Looping through, we reach the first node I, which contains the edge list of 3,2. Using the algorithm, we see 3 hasn't been added so we keep it. Then check 2, which we keep and Sec it is smaller than 3 so we put that to the front of the 11st, giving us 1 > 23 Next, we have node 2 with 2=1,3,3,3. Repeating this process, we oneck I and keep it, Check 3 and keep it which is greater man I so it staus in the same position. The next 2 are already contained in the list, so we just delete the representation giving us 2>13 We repeat this for the rest of the adjacency list and we come to our (ii) case at node +> 4,5,25,1. Since we want to remove self-loops, node 4 cannot have an edge with itself, so its deleted and me process continues from above giving us 4 > 1,25.

Thus, the algorithm will convert & mto 6's removing self loops and making a directed multiedge into a single directed edge.

Pseudocode input is the adjacency list.

transform (fi)
loop through & loet each vertex linked-list
loop through & list linked list
if (G[i] = edge[i] litemoves self loop
else if (edge[i] = visited) llaready in list
delete edge[i]
else
if (edge[i] < edge[i]
else
if (edge[i] < edge[i-1]
swap edge[i] and edge[i-1]
edge[i] = visited
add edge[i] to Linked list
(++